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FIG. 1

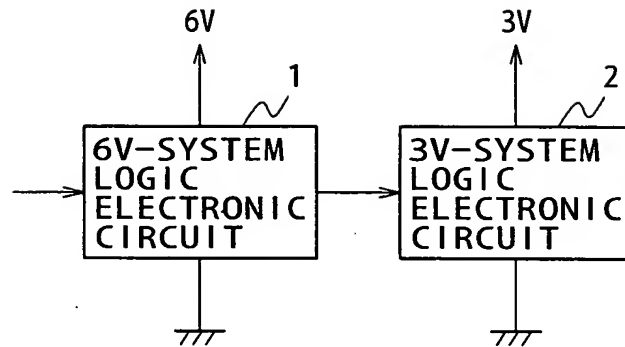


FIG. 2

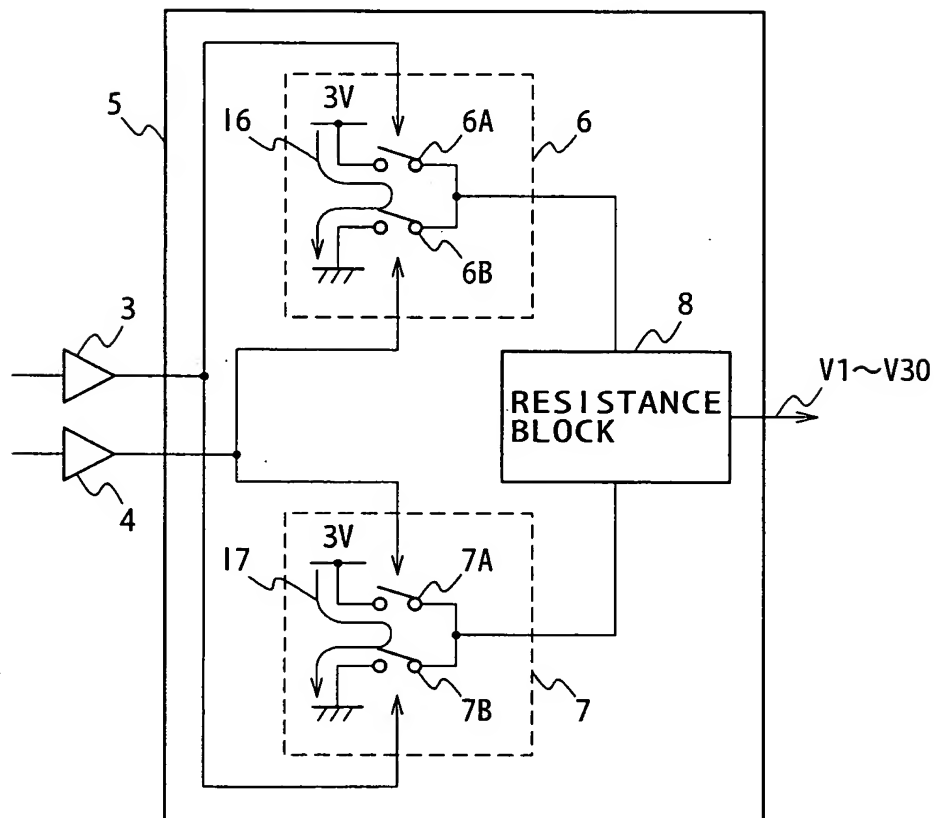


FIG. 4

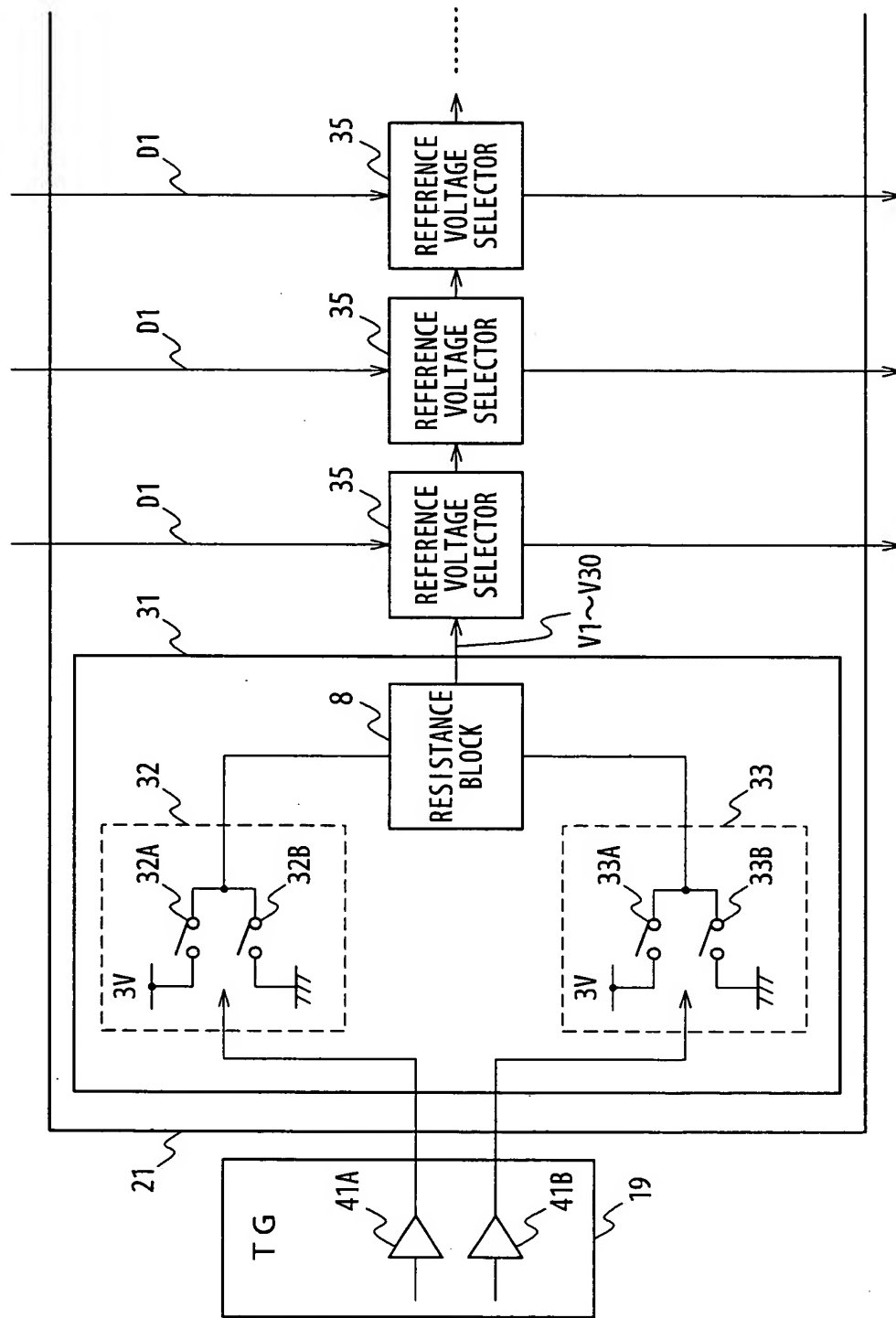
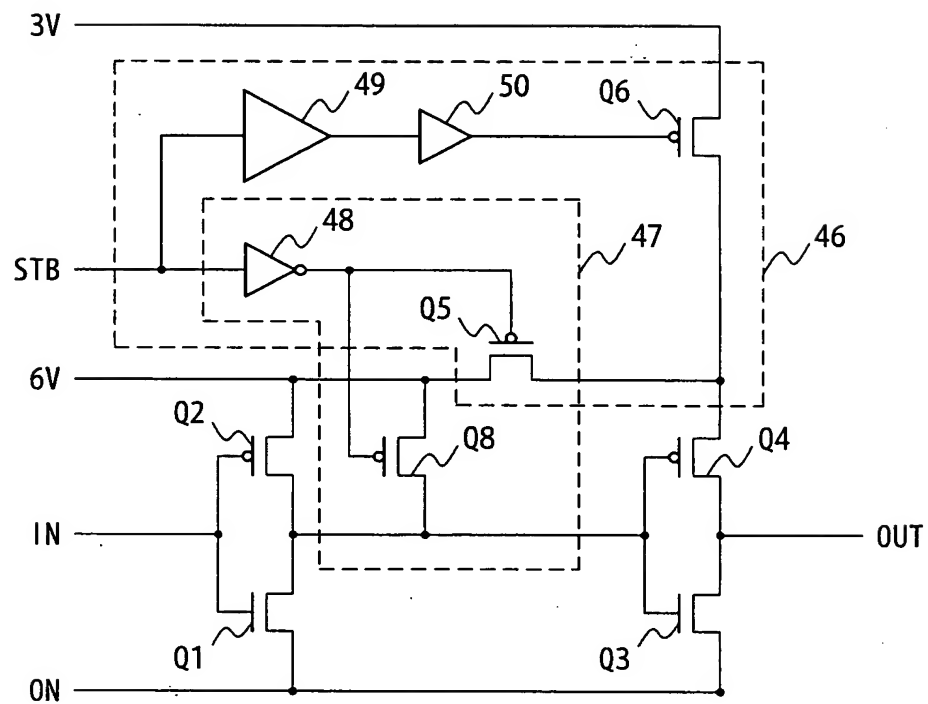


FIG. 5

41A, (41B)



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FIG. 6

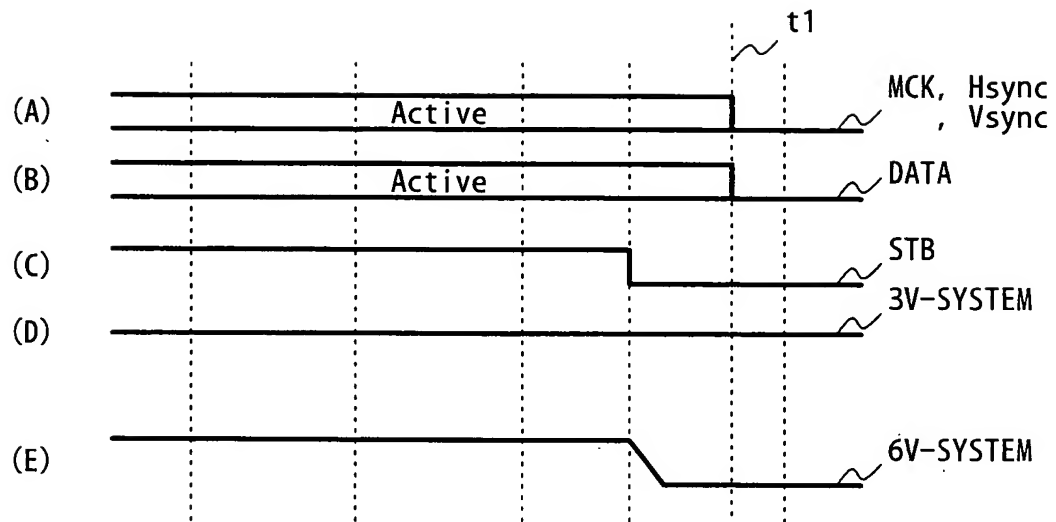
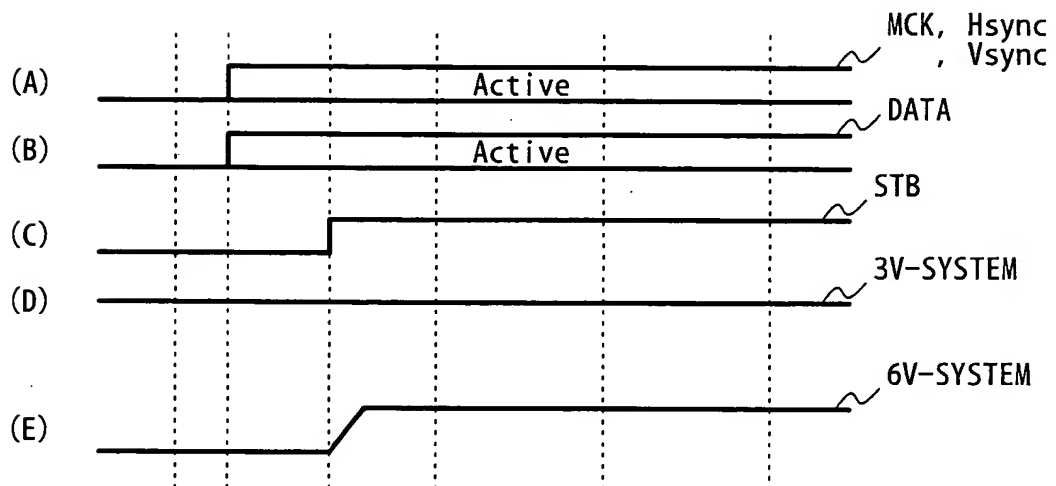


FIG. 7



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FIG. 8

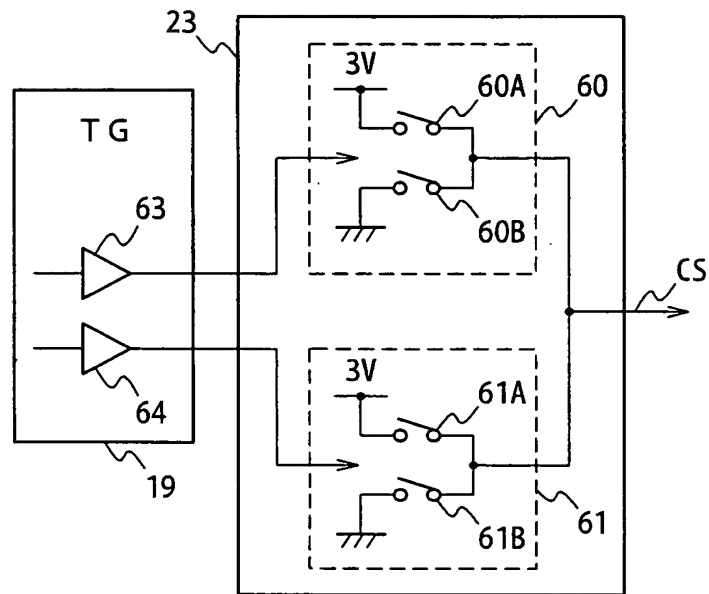
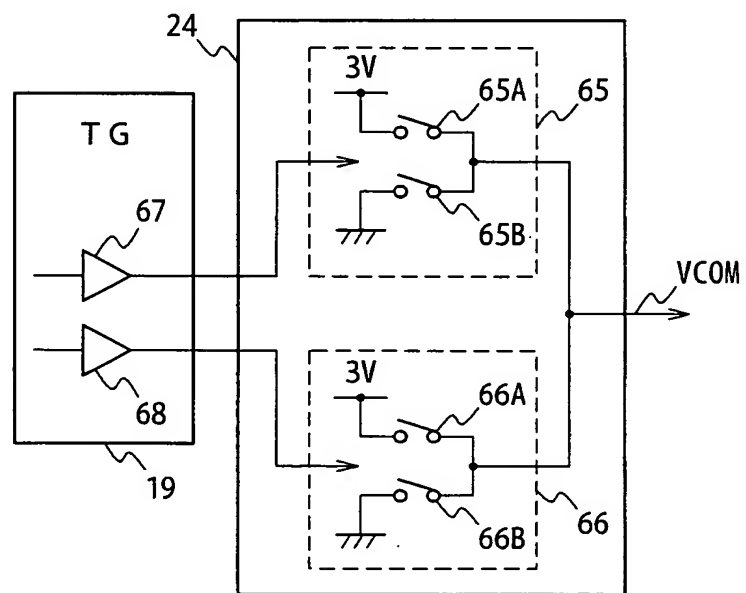


FIG. 9



Description of Reference Numerals

- 5 1, 2.....electronic circuit, 3, 4, 41A, 41B, 50, 63, 64, 67, 68.....buffer circuit, 5, 31.....reference voltage generating circuit, 6, 6A, 6B, 7, 7A, 7B, 32, 32A, 32B, 33, 33A, 33B, 60, 60A, 60B, 61, 61A, 61B, 65, 65A, 65B, 66, 66A, 66B.....switch circuit, 8.....resistance block, 11.....liquid crystal display
- 10 apparatus, 12.....liquid crystal cell, 13, Q1 to Q8.....transistor, 14.....storage capacitor, 16.....display unit, 17.....horizontal drive circuit, 18.....vertical drive circuit, 19.....timing generating circuit, 20.....shift register, 21..... digital-analog conversion circuit, 22.....buffer circuit unit, 23.....CS drive
- 15 circuit, 24.....VCOM drive circuit, 25.....DC-DC converter, 31.....reference voltage generating circuit, 35.....reference voltage selector, 46.....power supply switching circuit, 47.....level setting circuit, 48.....inverter, 49.....level shift circuit